STATEMENTS WITH THE THESIS;

Engineering Vascularized Adipose Tissue

1. The differentiation status of human adipose-derived stromal cells influences their angiogenic potential (this thesis).

2. Paracrine signaling is an important mechanism modulating interactions between endothelial cells and adipose-derived stromal cells (this thesis).

3. In vitro prevascularization of engineered adipose tissue constructs can improve vascularization after implantation (this thesis).

4. The potential of in vitro prevascularization to improve in vivo adipose tissue construct vascularization depends on both the adipose tissue-engineering environment (e.g. culture conditions) and the cells (e.g. ASC donor) used (this thesis).

5. Fibrin positively affects adipogenesis and vascularization of adipose-derived stromal cell-based tissue constructs (this thesis).

6. When adipose tissue-derived stromal cells will suffice as a cell source for regeneration of damaged- or worn out tissues, liposuction will become an altruistic operation.

7. Stem cells resemble the barbapapa family: they can take multiple forms and fulfill a variety of roles.

8. Due to its key role in tumor and tissue growth, angiogenesis research is an ever-growing business.

9. As in business, the way to succeed in science is to double your rate of failure (Adapted from Thomas J. Watson, founder of IBM).

10. For every complex problem there is an answer that is clear, simple and wrong (H.L. Mencken, author 1880-1956).

11. Having a pet makes you rich.

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